

IN THE CLAIMS

Please amend the claims as follows:

1. (CURRENTLY AMENDED) A portable heating pack comprising:
a supercorroding metallic alloy powder disposed within said portable heating pack, said supercorroding metallic alloy powder adapted to produce producing heat and gaseous hydrogen upon contacting a corroding liquid; and
means for consuming and/or storing said gaseous hydrogen in gaseous communication with said supercorroding metallic alloy powder; and
means for contacting said supercorroding metallic alloy powder with a corroding liquid.

2. (ORIGINAL) The portable heating pack according to claim 1, wherein said portable heating pack further comprises means for conducting heat produced within said portable heating pack to the exterior of said portable heating pack.

3. (ORIGINAL) The portable heating pack according to claim 1, wherein said supercorroding metallic alloy is a magnesium-iron alloy.

4. (CURRENTLY AMENDED) A portable heating pack comprising:
~~a supercorroding metallic alloy adapted to produce heat and~~

~~gaseous hydrogen upon contacting a corroding liquid, and~~

The portable heating pack according to claim 1, wherein said means for consuming and/or storing said gaseous hydrogen comprise a hydrogen storage material adapted to absorb said gaseous hydrogen.

5. (CANCELED)

6. (CANCELED)

7. (CURRENTLY AMENDED) The portable heating pack according to claim 6 4, wherein said hydrogen storage material is intimately mixed with said supercorroding metallic alloy.

8. (CURRENTLY AMENDED) The portable heating pack according to claim 4, wherein said hydrogen storage material is disposed in a hydrogen storage vessel in gaseous communication with said container supercorroding metallic alloy powder.

9. (ORIGINAL) The portable heating pack according to claim 4, wherein said hydrogen storage material is selected from AB, A₂B, AB₂, or AB₅ type alloys.

10. (ORIGINAL) The portable heating pack according to claim

4, wherein said hydrogen storage material is selected from Mg alloy systems, Mg-Ni alloy systems, Mg-Cu alloy systems, Ti-Fe alloy systems, Ti-Mn alloy systems, Ti-Ni alloy systems, Ti-V alloy systems, Ti-Cr alloy systems, Mn-Ni alloy systems, Mn-Co alloy systems, or combinations thereof.

11. (CURRENTLY AMENDED) The portable heating pack according to claim 4, wherein ~~said portable heating pack~~ means for consuming and/or storing said gaseous hydrogen further comprises comprise an oxide material adapted to consume said gaseous hydrogen via a reduction reaction, ~~said oxide material being in gaseous communication with said gaseous hydrogen~~.

12. (ORIGINAL) The portable heating pack according to claim 11, wherein said oxide material is intimately mixed with said supercorroding metallic alloy powder.

13. (ORIGINAL) The portable heating pack according to claim 11, wherein said oxide material is an oxide of at least one metal selected from copper, silver, manganese, nickel, zinc, cadmium, or mercury.

14. (CANCELED)

15. (CURRENTLY AMENDED) The portable heating pack according to claim 4, wherein said portable heating pack 1 further comprises comprising a high surface area carbon intimately mixed with said supercorroding alloy powder.

16. (CURRENTLY AMENDED) A portable heating pack comprising. a supercorroding metallic alloy adapted to produce heat and gaseous hydrogen upon contacting a corroding liquid, and

5 The portable heating pack according to claim 1, wherein said means for consuming and/or storing said gaseous hydrogen comprise an oxide material adapted to consume said gaseous hydrogen via a reduction reaction, wherein the oxide material is in gaseous communication with the gaseous hydrogen.

17. (ORIGINAL) The portable heating pack according to claim 16, wherein said oxide material is intimately mixed with said supercorroding metallic alloy powder.

18. (ORIGINAL) The portable heating pack according to claim 16, wherein said oxide material is an oxide of at least one metal selected from copper, silver, manganese, nickel, zinc, cadmium, or mercury.

19. (CANCELED)

20. (CANCELED)

11